Doer Luria,

I with I were out there at CSH myself. It gets damnably hot here!

Those cultures you wrote for will go right out to line Kaan. I am

very pleased that you want them.

resistance patterns "K/l" and "K/l,5", or as they may alternatively be written V." and V_{la}, since these are definitely non-alielic. Novick sent as a culture of The, and as you might expect, V_l is resistant, V_l is sensitive. Both from wild type and from "K/l", /th types have been found, almost all of them resistant, but a few sensitive to T5. I have the impression from your papers that in call 3, D/lh is always resistant to T5. However, you indicate that some of the virus mutants " any differ from each other. In what respect? If you have preserved them, would it be worthwhile to test them on the K/lh T know have? Also, a large series of "K/l/sh were tested, and they were all still sensitive to T1. However, K-1. differs from B, as you pointed out in giving clearent registant mutants to T2 and T2h. Would you care to see the manuscript, in accuracy of meeks, before I send it in?

In connection with my embryo program on Salmonella genetics, I came across the lysogenicity of S. typhimurium S21 on S. gallinarum 336. It is a little puzzling to me that none of several hundred survivors of S21 treated with very heavy doses of ultraviolet has failed to carry the lysogenic phage! I would like to find the a phage-free S21, and propose now to try some specific anti-phage agents, perhaps Phosphine GRI or descriptions. Burnet reported that antiserum had no

sterilizing effect. It seems possible that a) virus reactivation prevents the disinfection of the cell, b) that irradiated virus may prevent cell subtiplication on c) that the bacterium has formed an adaptive symbiatic relationship of some sort so that the disinfected cells ab not often survive. I am convinced that implies cases of "per ment" Lysogensis, the phage in important to distributely, elthough it may be excreted only upon the occasional Lysis of a cell. It will be difficult to do absorption expts. on the injected cells, but it may be possible to do so athing with virus mutuats.

loot recaris,

Sincarely yours,

Joshua Lederberg.